

ABSTRACT

A shuttle assembly for use with an end forming machine includes a shuttle and a release mechanism coupled to the shuttle. The shuttle includes a main body, a tool-receiving bore formed in the main body, and a lock mechanism associated with the tool-receiving bore. The lock mechanism is movable between a locked position where a ball detent of the lock mechanism is biased to extend into the tool-receiving bore and an unlocked position where the ball detent is removed from within the tool-receiving bore. The shuttle assembly further includes a release mechanism coupled to the shuttle for moving the locking mechanism from the locked position to the unlocked position. The release mechanism includes a release lever coupled to the shuttle for pivotable movement relative to the shuttle to engage the ball detent and move the ball detent out of the tool-receiving bore.